

INFORMATION DISCLOSURE STATEMENT	Applicant:	Dennis R. Hollars
	Application No.	Not yet assigned
	Filed:	September 24, 2003
	For:	Manufacturing Apparatus And Method For Large- Scale Production Of Thin- Film Solar Cells
	Group Art Unit:	Not yet assigned
	Examiner:	Not yet assigned
	Attorney Docket No.:	2500100-990131

Commissioner of Patents and Trademarks P.O. Box 1450 Alexandria, VA 22313-1450		
Dear Sir:		
In accordance with the provisions of 37 C.F.R. § 1.56(a) and 37 C.F.R. § 1.97, Applicant(s) hereby make of record the references listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified patent application.		
This Information Disclosure Statement:		
(a)	<input checked="" type="checkbox"/>	accompanies a new patent application submitted herewith.
(b)	<input type="checkbox"/>	is filed within three (3) months of the Filing Date or before the mailing date of a First Office Action on the merits; OR
(c)	<input type="checkbox"/>	after the period defined in (b) but before the mailing date of a Final Rejection or Notice of Allowance, OR
(d)	<input type="checkbox"/>	is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned prior to the mailing date of either a final rejection or a notice of allowance, and is accompanied by either the fee (\$180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below OR
(d)	<input type="checkbox"/>	is filed after the mailing date of either a final rejection or a notice of allowance, and the issue fee has not been paid, and is accompanied by the requisite petition fee (\$130) set forth in 37 CFR § 1.17(l)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.
As required under § 1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:		
(f)	<input type="checkbox"/>	Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or

(g)	<input type="checkbox"/>	No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.
-----	--------------------------	---

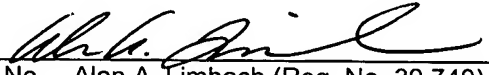
It is respectfully requested that each of the references shown on the attached Form PTO-1449 be made of record in this application. Copies of the references are enclosed.

The Commissioner is authorized to charge any deficiencies and credit any overpayment of fees to our Deposit Account No. 07-1896

Respectfully submitted,

Date: September 24, 2003

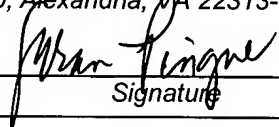
GRAY CARY WARE & FREIDENRICH LLP

By: 
 Reg. No. Alan A. Limbach (Reg. No. 39,749)
 Attorneys for Applicant(s)
 2000 University Avenue
 East Palo Alto, CA 94303-2248
 Telephone NO. 650-833-2433

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	26379	<small>(Insert Customer No. or Attach bar code label here)</small>
---	--------------	--

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as EXPRESS MAIL (EV 301143661 US) in an envelope addressed to: Commissioner of Patents & Trademarks, P.O. Box 1450, Alexandria, VA 22313-1450.

Sept. 24, 2003
Date


Signature

Form PTO-1449 (modified 2/91) INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	U.S. DEPT. OF COMMERCE Patent and Trademark Office	Attorney Docket Number: 2500100-990131	Serial Number: Not yet assigned
		Applicant: Dennis R. Hollars	
		Filing date: September 24, 2003	Group art unit: Not yet assigned

U.S. PATENT DOCUMENTS

Examiner Initial	Patent number	Date	Name	Class	Sub-class	Filing date if appropriate
	6,372,538	04-16-02	Wendt et al.			
	6,365,010	04-02-02	Hollars			
	6,310,281	10-30-01	Wendt et al.			
	6,107,564	08-22-00	Aguilera et al.			
	5,986,204	11-16-99	Iwasaki et al.			
	5,571,749	11-05-96	Matsuda et al			
	4,318,938	03-09-82	Barnett et al.			
	4,298,444	11-03-81	Chahrودي			

FOREIGN PATENT DOCUMENTS

Document number	Date	Country	Class	Sub-class	Translation	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	National Renewable Energy Laboratory, NREL/CP-520-22922 – UC Category 1250, Ullal, et al, entitled “Current Status of Polycrystalline Thin-Film PV Technologies”, September 1997.
	MRS Bulletin, Tadatsugu Minami, entitled “New <i>n</i> -Type Transparent Conducting Oxides”, pp. 38-44, August 2000.

Examiner:	Date Considered:
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP ‘609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	